RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/518,701_

Source: _PCT_

Date Processed by STIC: _10/13/2005_

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RAW SEQUENCE LISTING   DATE: 10/13/2005
PATENT APPLICATION: US/10/518,701   TIME: 14:44:23

Input Set : A:\UPN0030-100.txt
Output Set: N:\CRF4\10132005\J518701.raw

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   3 <110> APPLICANT: Levinson, Arnold I.
   4        Weiner, David B.
   5        Otero, Miguel
   6        Calarota, Sandra
   8 <120> TITLE OF INVENTION: Vaccines for Suppressing IgE Mediated Allergic Disease and
   9        Methods for Using the Same
  11 <130> FILE REFERENCE: UPN0030.100
  13 <140> CURRENT APPLICATION NUMBER: US 10/518,701
C--> 14 <141> CURRENT FILING DATE: 2004-12-20
  16 <150> PRIOR APPLICATION NUMBER: PCT/US03/19383
  17 <151> PRIOR FILING DATE: 2003-06-20
  19 <150> PRIOR APPLICATION NUMBER: US 60/390,304
  20 <151> PRIOR FILING DATE: 2002-06-20
  22 <160> NUMBER OF SEQ ID NOS: 13
  24 <170> SOFTWARE: PatentIn version 3.2
  26 <210> SEQ ID NO: 1
  27 <211> LENGTH: 88
  28 <212> TYPE: DNA
  29 <213> ORGANISM: Artificial Sequence
  31 <220> FEATURE:
  32 <223> OTHER INFORMATION: Oligonucleotide
  34 <400> SEQUENCE: 1
  35 cccaagctta tggactggac ctggatcctc ttcttggtgg cagcagccac gcgagtccac      60
  37 tcccatgggc tggctggcgg ctccgcgc                                         88
  40 <210> SEQ ID NO: 2
  41 <211> LENGTH: 30
  42 <212> TYPE: DNA
  43 <213> ORGANISM: Artificial Sequence
  45 <220> FEATURE:
  46 <223> OTHER INFORMATION: Oligonucleotide
  48 <400> SEQUENCE: 2
  49 ccgctcgagc gtggggctgg aggacgttgg                                       30
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  53 <211> LENGTH: 87
  54 <212> TYPE: DNA
  55 <213> ORGANISM: Artificial Sequence
  57 <220> FEATURE:
  58 <223> OTHER INFORMATION: Oligonucleotide
  60 <400> SEQUENCE: 3
  61 ccgctcgaga gaaacgagct gtcgtaggat ccgatccaaa ttatttaagg actgattctg      60
  63 ataaagatag atttttacaa accatgg                                          87
  66 <210> SEQ ID NO: 4
  67 <211> LENGTH: 88
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69  <213> ORGANISM: Artificial Sequence
71  <220> FEATURE:
72  <223> OTHER INFORMATION: Oligonucleotide
74  <400> SEQUENCE: 4
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77  gaatcagtcc ttaaataatt tggatcgg                                        88
79  <210> SEQ ID NO: 5
80  <211> LENGTH: 630
81  <212> TYPE: DNA
82  <213> ORGANISM: Homo sapiens
85  <220> FEATURE:
86  <221> NAME/KEY: CDS
87  <222> LOCATION: (1)...(627)
89  <220> FEATURE:
90  <221> NAME/KEY: sig_peptide
91  <222> LOCATION: (1)..(54)
93  <220> FEATURE:
94  <221> NAME/KEY: misc_signal
95  <222> LOCATION: (418)..(441)
96  <223> OTHER INFORMATION: protease cleavage signal
98  <220> FEATURE:
99  <221> NAME/KEY: misc_signal
100 <222> LOCATION: (523)..(546)
101 <223> OTHER INFORMATION: protease clevage signal
103 <400> SEQUENCE: 5
104 atg gac tgg acc tgg atc ctc ttc ttg gtg gca gca gcc acg cga gtc      48
105 Met Asp Trp Thr Trp Ile Leu Phe Leu Val Ala Ala Ala Thr Arg Val
106 1               5                   10                  15
108 cac tcc cat ggg ctg gct ggc ggc tcc gcg cag tcc cag agg gcc ccg      96
109 His Ser His Gly Leu Ala Gly Gly Ser Ala Gln Ser Gln Arg Ala Pro
110             20                  25                  30
112 gat agg gtg ctc tgc cac tcc gga cag cag cag gga ctg ccg aga gca      144
113 Asp Arg Val Leu Cys His Ser Gly Gln Gln Gln Gly Leu Pro Arg Ala
114         35                  40                  45
116 gca gga ggc tct gtc ccc cac ccc cgc tgc cac tgt gga gcc ggg agg      192
117 Ala Gly Gly Ser Val Pro His Pro Arg Cys His Cys Gly Ala Gly Arg
118     50                  55                  60
120 gct gac tgg cca ggt ccc cca gag ctg gac gtg tgc gtg gag gag gcc      240
121 Ala Asp Trp Pro Gly Pro Pro Glu Leu Asp Val Cys Val Glu Glu Ala
122 65                  70                  75                  80
124 gag ggc gag gcg ccg tgg acg tgg acc ggc ctc tgc atc ttc gcc gca      288
125 Glu Gly Glu Ala Pro Trp Thr Trp Thr Gly Leu Cys Ile Phe Ala Ala
126                 85                  90                  95
128 ctc ttc ctg ctc agc gtg agc tac agc gcc gcc ctc acg ctc ctc atg      336
129 Leu Phe Leu Leu Ser Val Ser Tyr Ser Ala Ala Leu Thr Leu Leu Met
130             100                 105                 110
132 gtg cag cgg ttc ctc tca gcc acg cgg cag ggg agg ccc cag acc tcc      384
133 Val Gln Arg Phe Leu Ser Ala Thr Arg Gln Gly Arg Pro Gln Thr Ser
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134           115                    120                    125
136 ctc gac tac acc aac gtc ctc cag ccc cac gcc aga gaa aaa aga gct        432
137 Leu Asp Tyr Thr Asn Val Leu Gln Pro His Ala Arg Glu Lys Arg Ala
138       130                   135                    140
140 gtt gtt ggt tac gat cca aat tat tta agg act gat tct gat aaa gat        480
141 Val Val Gly Tyr Asp Pro Asn Tyr Leu Arg Thr Asp Ser Asp Lys Asp
142 145                   150                    155                    160
144 aga ttt tta caa acc atg gta aaa ctg ttt aac aga att aag aga gaa        528
145 Arg Phe Leu Gln Thr Met Val Lys Leu Phe Asn Arg Ile Lys Arg Glu
146                   165                    170                    175
148 aaa aga gct gtt gtt ggt ttt aat aat ttt acc gtt agc ttt tgg ttg        576
149 Lys Arg Ala Val Val Gly Phe Asn Asn Phe Thr Val Ser Phe Trp Leu
150                   180                    185                    190
152 agg gtt cct aaa gta tct gct agt cat tta gaa cat cat cat cat cat        624
153 Arg Val Pro Lys Val Ser Ala Ser His Leu Glu His His His His His
154           195                    200                    205
156 cat tag                                                                630
157 His
161 <210> SEQ ID NO: 6
162 <211> LENGTH: 209
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 6
168 Met Asp Trp Thr Trp Ile Leu Phe Leu Val Ala Ala Ala Thr Arg Val
169 1                 5                    10                    15
172 His Ser His Gly Leu Ala Gly Gly Ser Ala Gln Ser Gln Arg Ala Pro
173           20                   25                    30
176 Asp Arg Val Leu Cys His Ser Gly Gln Gln Gln Gly Leu Pro Arg Ala
177       35                   40                    45
180 Ala Gly Gly Ser Val Pro His Pro Arg Cys His Cys Gly Ala Gly Arg
181       50                   55                    60
184 Ala Asp Trp Pro Gly Pro Pro Glu Leu Asp Val Cys Val Glu Glu Ala
185 65                 70                    75                    80
188 Glu Gly Glu Ala Pro Trp Thr Trp Thr Gly Leu Cys Ile Phe Ala Ala
189                   85                   90                    95
192 Leu Phe Leu Leu Ser Val Ser Tyr Ser Ala Ala Leu Thr Leu Leu Met
193                   100                  105                   110
196 Val Gln Arg Phe Leu Ser Ala Thr Arg Gln Gly Arg Pro Gln Thr Ser
197           115                  120                   125
200 Leu Asp Tyr Thr Asn Val Leu Gln Pro His Ala Arg Glu Lys Arg Ala
201       130                  135                   140
204 Val Val Gly Tyr Asp Pro Asn Tyr Leu Arg Thr Asp Ser Asp Lys Asp
205 145                   150                   155                   160
208 Arg Phe Leu Gln Thr Met Val Lys Leu Phe Asn Arg Ile Lys Arg Glu
209                   165                  170                   175
212 Lys Arg Ala Val Val Gly Phe Asn Asn Phe Thr Val Ser Phe Trp Leu
213                   180                  185                   190
216 Arg Val Pro Lys Val Ser Ala Ser His Leu Glu His His His His His
217           195                  200                   205
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Input Set : A:\UPN0030-100.txt
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220 His
222 <210> SEQ ID NO: 7
223 <211> LENGTH: 22
224 <212> TYPE: PRT
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Chemically synthesized peptide
230 <400> SEQUENCE: 7
232 Ser Ala Gln Ser Gln Arg Ala Pro Asp Arg Val Leu Cys His Ser Gly
233 1               5                   10                  15
236 Gln Gln Gln Gly Leu Pro
237               20
240 <210> SEQ ID NO: 8
241 <211> LENGTH: 22
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Chemically synthesized peptide
248 <400> SEQUENCE: 8
250 Ala Gly Gly Ser Val Pro His Pro Arg Cys His Cys Gly Ala Gly Arg
251 1               5                   10                  15
254 Ala Asp Trp Pro Gly Pro
255               20
258 <210> SEQ ID NO: 9
259 <211> LENGTH: 15
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Chemically synthesized peptide
266 <400> SEQUENCE: 9
268 Glu Leu Asp Val Cys Val Glu Glu Ala Glu Gly Glu Ala Pro Trp
269 1               5                   10                  15
272 <210> SEQ ID NO: 10
273 <211> LENGTH: 9
274 <212> TYPE: PRT
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Chemically synthesized peptide
280 <400> SEQUENCE: 10
282 Glu Ala Pro Trp Thr Trp Thr Gly Leu
283 1               5
286 <210> SEQ ID NO: 11
287 <211> LENGTH: 10
288 <212> TYPE: PRT
289 <213> ORGANISM: Artificial sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Chemically synthesized peptide
294 <400> SEQUENCE: 11
296 Thr Gly Leu Cys Ile Phe Ala Ala Leu Phe
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Input Set : A:\UPN0030-100.txt
Output Set: N:\CRF4\10132005\J518701.raw

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297 1               5                  10
300 <210> SEQ ID NO: 12
301 <211> LENGTH: 27
302 <212> TYPE: PRT
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Chemically synthesized peptide
308 <400> SEQUENCE: 12
310 Val Gln Arg Phe Leu Ser Ala Thr Arg Gln Gly Arg Pro Gln Thr Ser
311 1               5                  10                  15
314 Leu Asp Tyr Thr Asn Val Leu Gln Pro His Ala
315             20                  25
318 <210> SEQ ID NO: 13
319 <211> LENGTH: 27
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Chemically synthesized peptide
326 <400> SEQUENCE: 13
328 Tyr Asp Pro Asn Tyr Leu Arg Thr Asp Ser Asp Lys Asp Arg Phe Leu
329 1               5                  10                  15
332 Gln Thr Met Val Lys Leu Phe Asn Arg Ile Lys
333             20                  25
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VERIFICATION SUMMARY DATE: 10/13/2005
PATENT APPLICATION: US/10/518,701 TIME: 14:44:24

Input Set : **A:\UPN0030-100.txt**
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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date